



# Hawaii Crop Weather

Week ending: September 23, 2018

In Cooperation with the Hawaii Department of Agriculture

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## Weather Review

On September 18, the U.S. Drought Monitor reported mostly normal conditions for the entire state.

Tropical Storm Olivia was the newest rainmaker for Hawaii in this active tropical cyclone season, alleviating more of the dry conditions across the islands. Conditions improved to normal in Oahu, while a small area of abnormal dryness remains this week on Molokai. Over Maui, severe drought was reduced to the lower elevations of west Maui near Lahaina. Improvements to moderately dry conditions were made in the southwest slopes of Haleakala. Severe drought was also reduced to the lower elevations of the northwest side on the Big Island, along with moderate drought and abnormally dry on the south and southwest sides.

Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on September 23, 2018, the state rainfall averaged 4.15 inches.

## Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) as of Tuesday, September 18, 2018, up 2.00 feet from the previous Thursday reading. The Puu Pulehu reservoir was marked at 18.10 feet (104.00 MG) on September 18, down 0.40 feet from the prior Thursday. A mandatory ten percent conservation remained in effect.

The Honokaia Reservoir was at 8.00 feet (1.00 MG) as of Tuesday, September 18, unchanged from the previous Thursday reading.

The water level at the Paauiilo reservoir was marked at 0 feet (0 MG) on Tuesday, September 18, unchanged from the previous Thursday reading. The Paauiilo and Honokaia Reservoirs feed into the Lower Hamakua Irrigation System where no conservation measures were in effect.

## Honolulu County

The Waimanalo Irrigation System water level was marked at 48.50 feet (36.73 MG) as of Tuesday, September 18, 2018 down 1.00 feet from the previous Thursday reading. No conservation measures were in effect.

## Maui County

The Molokai Irrigation System water level was marked at 41.25 feet on Tuesday, September 18, 2018 unchanged from the previous Thursday reading. Conservation measures urged all non-homestead water users to cutback water consumption by ten percent.

The Waikamoi reservoir #1 water level was marked at 12.90 MG on Friday, September 21, 2018, up 0.60 MG from the previous Monday reading. The Waikamoi reservoir #2 water level was marked at 11.80 MG on the same day, an increase of 0.10 feet from the previous Monday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 47.20 MG on Friday, September 21, 2018 down 0.70 MG from the previous Monday reading. The Kahakapao reservoir #2 water level was marked at 47.00 MG on the same day, with a decrease of 0.40 MG from the previous Monday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 49.20 MG on Friday, September 21, 2018, up 6.60 MG from the previous Monday reading. This reservoir has a capacity of 50.00 MG.

Kathy King, State Statistician

## Hawaii Weekly Crop Weather (continued)

### Monthly Trend for Selected Stations

Comparison of 2018 cumulative monthly and annual totals with average monthly totals for selected stations. <sup>1/</sup>

Station name		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<i>Inches</i>														
<b>Island of Hawaii</b>														
1. Kamuela	2018	1.6	6.2	4.2	9.9 <sub>p</sub>	5.3 <sub>p</sub>	3.1	5.2	9.4	5.8	0.0	0.0	0.0	50.7 <sub>p</sub>
	Average	6.6	6.0	7.9	6.9	4.0	2.2	3.7	4.1	2.2	3.3	5.8	7.3	60.0
2. Kealahou	2018	0.5	3.9	1.6 <sub>p</sub>	3.3 <sub>p</sub>	1.2 <sub>p</sub>	1.3	3.7	7.8	2.6	0.0	0.0	0.0	25.8 <sub>p</sub>
	Average	4.7	3.4	5.6	6.2	7.7	8.2	8.7	8.3	8.2	6.2	4.4	3.4	75.0
3. Laupahoehoe	2018	12.6	8.6	8.7	9.6 <sub>p</sub>	14.5 <sub>p</sub>	8.5	8.0	13.0 <sub>p</sub>	6.6	0.0	0.0	0.0	90.0 <sub>p</sub>
	Average	13.5	13.2	19.5	18.9	11.7	6.2	10.0	12.4	6.9	9.3	13.6	14.8	150.0
4. Mt. View	2018	19.1	26.3 <sub>p</sub>	14.5	22.7 <sub>p</sub>	15.4 <sub>p</sub>	11.6	9.6	35.4	12.2	0.0	0.0	0.0	166.9 <sub>p</sub>
	Average	14.1	13.6	19.6	18.0	13.1	9.4	12.8	14.6	10.7	12.1	15.8	16.2	170.0
5. Pahala	2018	3.4	31.6	6.8	5.7 <sub>p</sub>	2.3 <sub>p</sub>	0.3	1.0	22.3	2.7	0.0	0.0	0.0	76.1 <sub>p</sub>
	Average	7.7	6.1	6.3	5.0	3.8	2.2	2.1	3.3	3.4	4.2	5.5	5.4	55.0
6. Pahoa	2018	19.8	35.2	11.7	16.5 <sub>p</sub>	12.4 <sub>p</sub>	9.5	15.0	34.9	6.7	0.0	0.0	0.0	161.8 <sub>p</sub>
	Average	13.9	10.9	10.5	13.9	10.5	7.1	9.8	10.6	9.2	11.5	13.3	14.6	140.0
<b>Island of Maui</b>														
7. Hana	2018	2.8	14.8	12.9	10.5 <sub>p</sub>	6.6 <sub>p</sub>	1.8	4.9 <sub>p</sub>	15.4	5.7	0.0	0.0	0.0	75.4 <sub>p</sub>
	Average	8.5	5.7	9.1	7.5	5.9	4.1	5.9	5.8	6.1	7.3	8.0	6.1	80.0
8. Kula	2018	0.7	18.8	2.3	9.9 <sub>p</sub>	1.6 <sub>p</sub>	0.9	2.2	6.6	2.2	0.0	0.0	0.0	45.2 <sub>p</sub>
	Average	3.5	3.0	2.5	1.6	1.1	0.8	0.8	0.8	1.1	1.5	2.3	3.3	22.3
9. Lahainaluna	2018	0.0 <sub>p</sub>	7.3	0.5	2.7 <sub>p</sub>	0.2 <sub>p</sub>	*	0.1	0.6	0.2	0.0	0.0	0.0	11.6 <sub>p</sub>
	Average	4.4	2.7	2.4	1.7	0.7	0.2	0.3	0.6	0.6	1.0	2.0	3.4	20.0
10. Wailuku	2018	0.2	4.3 <sub>p</sub>	3.8	14.1 <sub>p</sub>	2.8 <sub>p</sub>	0.1	1.0	4.1	3.2	0.0	0.0	0.0	33.5 <sub>p</sub>
	Average	5.2	3.8	3.6	3.0	1.2	0.4	0.6	0.7	0.6	1.7	2.9	4.3	28.0
<b>Island of Oahu</b>														
11. Kahuku	2018	1.3	21.0	2.4	4.7 <sub>p</sub>	0.9 <sub>p</sub>	1.5	1.5	3.4	3.6	0.0	0.0	0.0	40.2 <sub>p</sub>
	Average	6.3	4.2	5.3	4.0	2.5	1.9	2.2	2.6	2.2	4.0	4.6	5.3	45.0
12. Mililani	2018	1.3	11.9	4.0	4.0 <sub>p</sub>	0.9 <sub>p</sub>	2.1	1.1	7.0	6.2	0.0	0.0	0.0	38.5 <sub>p</sub>
	Average	6.4	4.9	4.9	4.0	2.5	1.7	2.1	2.4	1.7	3.7	4.5	6.2	45.0
13. Waianae	2018	0.0	3.7 <sub>p</sub>	1.8	2.0 <sub>p</sub>	0.1 <sub>p</sub>	*	0.1	0.9	1.5	0.0	0.0	0.0	10.0 <sub>p</sub>
	Average	3.8	2.3	2.5	1.6	0.7	0.3	0.3	0.7	0.7	1.8	2.0	3.3	20.0
14. Waimanalo	2018	0.7	14.2	4.9	9.8 <sub>p</sub>	1.1 <sub>p</sub>	0.7	0.8	1.8	5.8	0.0	0.0	0.0	39.7 <sub>p</sub>
	Average	6.8	4.6	3.6	3.2	3.2	1.5	1.6	1.5	2.0	3.7	5.6	5.5	42.8
<b>Island of Kauai</b>														
15. Moloaa Dairy	2018	1.2	4.4	0.5 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	1.2	2.4	2.6	0.5	0.0	0.0	0.0	12.7 <sub>p</sub>
	Average	6.9	4.7	6.2	5.0	3.9	1.7	2.7	2.6	2.2	5.0	5.4	5.6	51.9
16. Hanalei	2018	3.5	22.2	14.2	37.2 <sub>p</sub>	8.2 <sub>p</sub>	7.9 <sub>p</sub>	13.0	30.5	8.2	0.0	0.0	0.0	144.8 <sub>p</sub>
	Average	11.8	9.4	13.4	12.2	9.3	6.5	9.8	8.7	6.9	8.5	10.2	12.0	118.7
17. O'ao	2018	2.7	14.8	8.1	7.8 <sub>p</sub>	3.5 <sub>p</sub>	3.2 <sub>p</sub>	3.3	11.2	2.3	0.0	0.0	0.0	56.8 <sub>p</sub>
	Average	6.9	4.5	5.5	5.2	4.2	3.4	4.7	4.6	3.8	4.7	5.9	6.7	60.0

<sup>1/</sup> Rainfall stations were selected from the National Weather Service's Hydronet system of automated rain gauges. All data has not been quality controlled to date, and therefore is not certified by the National Weather Service.

M = Missing. p = Partial or incomplete. e = Estimated. \* = More than zero, but less than .05 inches of rain.

**Precipitation for week ending September 23, 2018**  
**Daily, weekly, and year-to-date precipitation totals for selected Hawaii stations.<sup>1/</sup>**

Station name and identification number	24-Hour totals at 8 a.m.							Weekly total	Jan. 1 to date
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
<b>Island of Hawaii</b>	<i>Inches</i>								
1. Kamuela (HI86)	0.06	0.33	0.10	0.00	0.00	0.05	0.04	0.58	50.69 p
2. Kealahou (HI84)	0.10	0.13	0.01	0.00	0.53	0.20	0.08	1.05	25.81 p
3. Laupahoehoe (HI80)	0.05	0.49	0.03	0.26	0.00	0.09	0.00	0.92	90.02 p
4. Mt. View (HI81)	0.20	0.66	0.10	1.30	0.00	0.02	0.00	2.28	166.90 p
5. Pahala (HI85)	0.00	0.00	0.00	0.38	0.01	0.00	0.34	0.73	76.14 p
6. Pahoa (HI83)	0.11	0.70	0.07	0.62	0.03	0.03	0.03	1.59	161.75 p
<b>Island of Maui</b>									
7. Hana (HI61)	0.00	0.05	0.06	0.13	0.00	0.00	0.00	0.24	75.42 p
8. Kula (HI65)	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.06	45.22 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.57 p
10. Wailuku (HI66)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	M	33.49 p
<b>Island of Oahu</b>									
11. Kahuku (HI09)	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	40.20 p
12. Mililani (HI14)	0.03	0.00	0.00	0.00	0.10	0.00	0.00	0.13	38.54 p
13. Waianae (HI17)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.03 p
14. Waimanalo (HI13)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	39.67 p
<b>Island of Kauai</b>									
15. Moloaa Dairy	0.02	0.01	0.01	0.01	0.00	0.01	0.00	0.06	12.74 p
16. Hanalei (HI45)	0.27	0.22	0.00	0.00	0.09	0.00	0.00	0.58	144.81 p
17. O'ahu (HI51)	0.08	0.16	0.00	0.00	0.00	0.00	0.00	0.24	56.78 p

<sup>1/</sup> Rainfall stations were selected from the National Weather Service's Hydronet system of automated rain gauges. All data has not been quality controlled to date, and therefore is not certified by the National Weather Service.

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